



LPIN2 gene

lipin 2

Normal Function

The *LPIN2* gene provides instructions for producing a protein called lipin-2. Researchers believe that this protein may play a role in the processing of fats (lipid metabolism). It may also be involved in controlling inflammation and in cell division.

Health Conditions Related to Genetic Changes

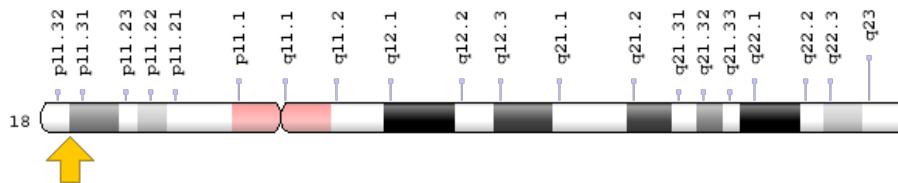
Majeed syndrome

At least three mutations in the *LPIN2* gene have been identified in people with Majeed syndrome. These mutations alter the structure and function of lipin-2, leading to chronic, abnormal inflammation in some of the body's tissues. It is unclear how *LPIN2* gene mutations lead to the specific features of Majeed syndrome, including bone disease, a shortage of red blood cells (anemia), and inflammatory skin disorders.

Chromosomal Location

Cytogenetic Location: 18p11.31, which is the short (p) arm of chromosome 18 at position 11.31

Molecular Location: base pairs 2,916,994 to 3,013,315 on chromosome 18 (Homo sapiens Annotation Release 108, GRCh38.p7) (NCBI)



Credit: Genome Decoration Page/NCBI

Other Names for This Gene

- KIAA0249
- LPIN2_HUMAN

Additional Information & Resources

GeneReviews

- Majeed Syndrome
<https://www.ncbi.nlm.nih.gov/books/NBK1974>

Scientific Articles on PubMed

- PubMed
<https://www.ncbi.nlm.nih.gov/pubmed?term=%28%28LPIN2%5BTIAB%5D%29+OR+%28lipin+2%5BTIAB%5D%29%29+OR+%28lipin-2%5BTIAB%5D%29+AND+english%5Bla%5D+AND+human%5Bmh%5D+AND+%22last+3600+days%22%5Bdp%5D>

OMIM

- LIPIN 2
<http://omim.org/entry/605519>

Research Resources

- Atlas of Genetics and Cytogenetics in Oncology and Haematology
http://atlasgeneticsoncology.org/Genes/GC_LPIN2.html
- ClinVar
<https://www.ncbi.nlm.nih.gov/clinvar?term=LPIN2%5Bgene%5D>
- HGNC Gene Family: Lipins
<http://www.genenames.org/cgi-bin/genefamilies/set/1043>
- HGNC Gene Symbol Report
http://www.genenames.org/cgi-bin/gene_symbol_report?q=data/hgnc_data.php&hgnc_id=14450
- NCBI Gene
<https://www.ncbi.nlm.nih.gov/gene/9663>
- UniProt
<http://www.uniprot.org/uniprot/Q92539>

Sources for This Summary

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